

### Abstract

An increase in angular acceleration  $\alpha$  of a rotating shaft of a motor, which outputs a torque to a drive shaft  
5 linked to drive wheels, may cause a skid on the drive wheels.  
In response to detection of a skid, the control procedure  
of the invention sets a maximum torque  $T_{max}$  according to  
a preset map representing a relation between the angular  
acceleration  $\alpha$  and the maximum torque  $T_{max}$ , and restricts  
10 an output torque level to the drive shaft. The map is set  
to decrease the maximum torque  $T_{max}$  with an increase in  
angular acceleration  $\alpha$ . The restricted output torque  
level is restored at a zero cross timing of the angular  
acceleration  $\alpha$  after a negative peak in the course of  
15 convergence of the skid. This arrangement makes the  
direction of the torque restored from the torque  
restriction identical with the direction of the angular  
acceleration, thus effectively reducing torsions of the  
drive shaft and thereby preventing potential torsional  
20 vibrations of the drive shaft.